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OPERATING INSTRUCTION

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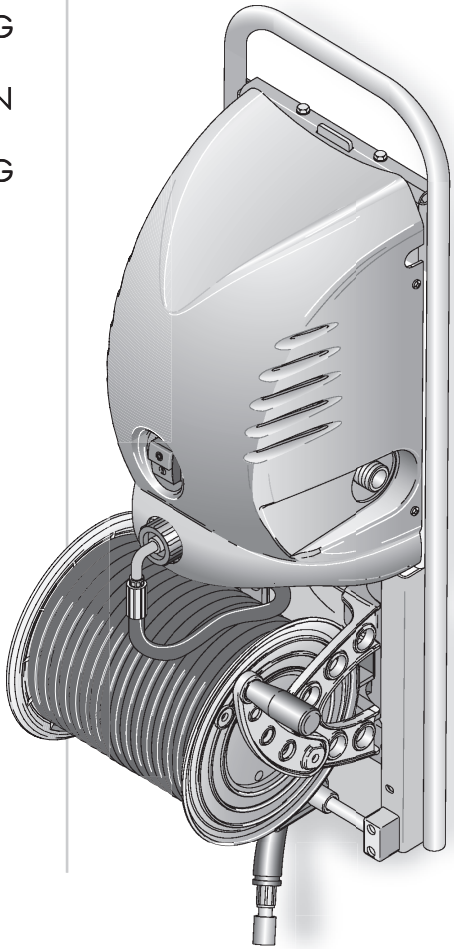

840

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Wall high pressure cold water cleaner

STANDARDUTSTYR
MAIN CONSTRUCTION COMPONENTS
MASKINENS HUVUDSAKLIGA KOMPONENTER

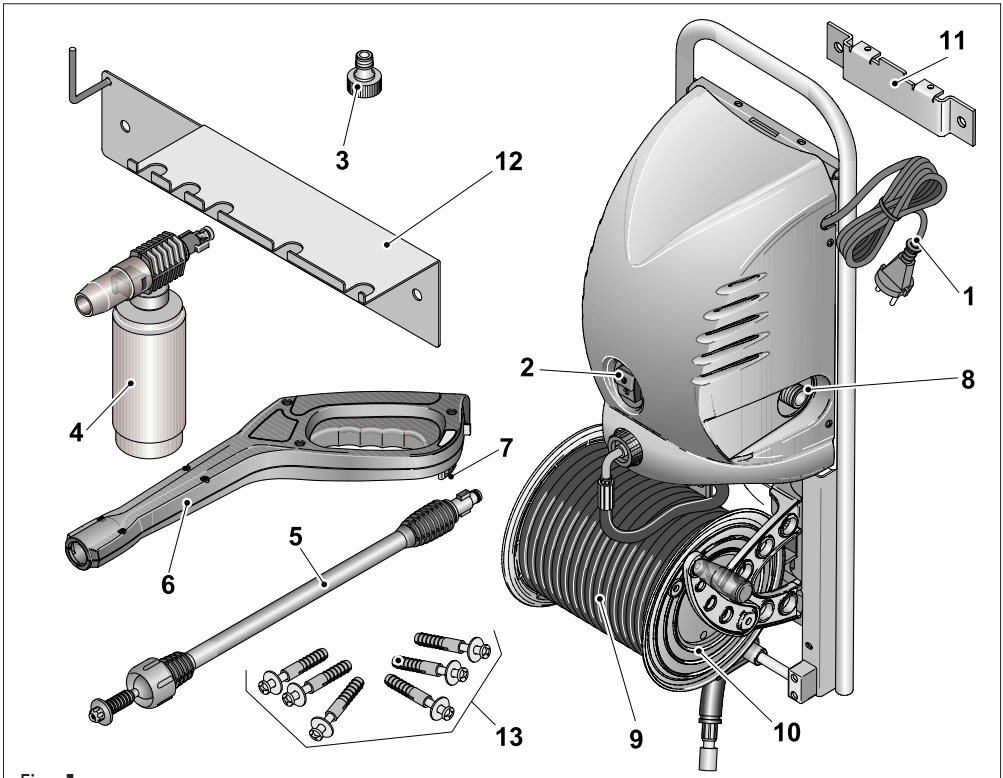


Fig. **1**

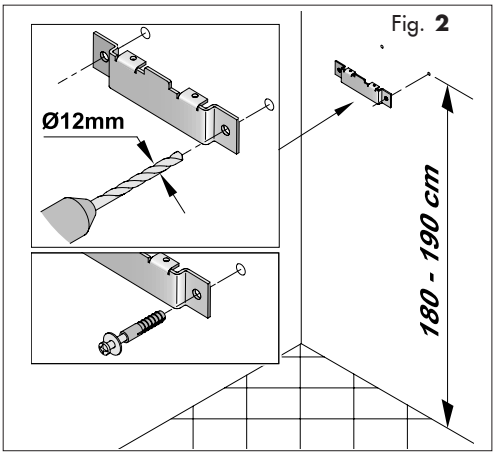


Fig. **2**

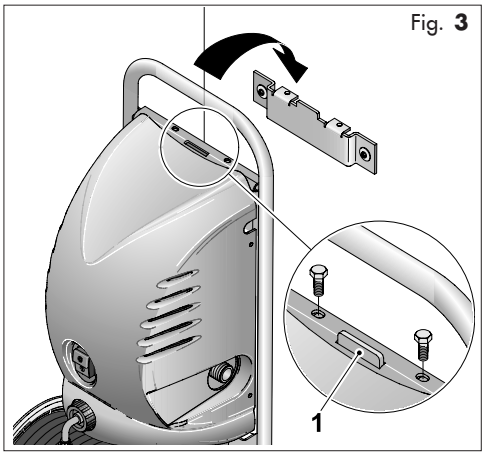
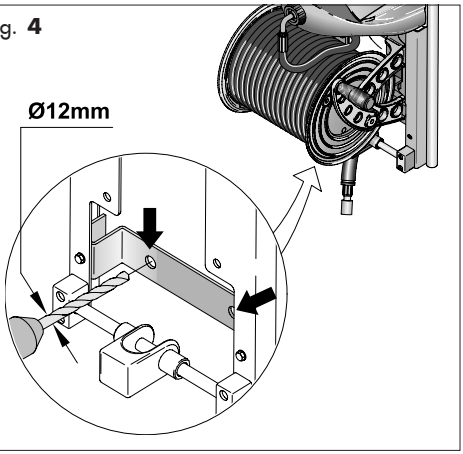


Fig. **3**

Fig. **4**



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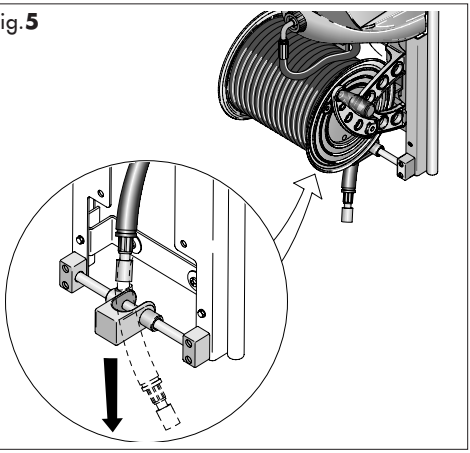

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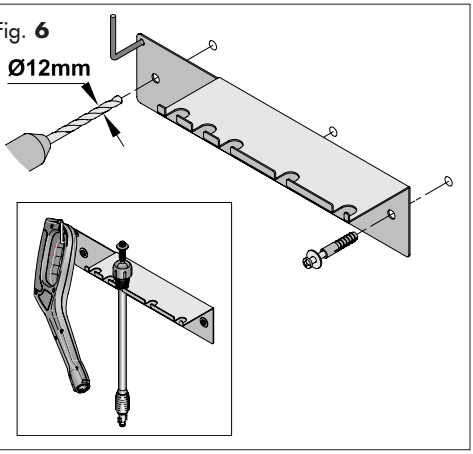

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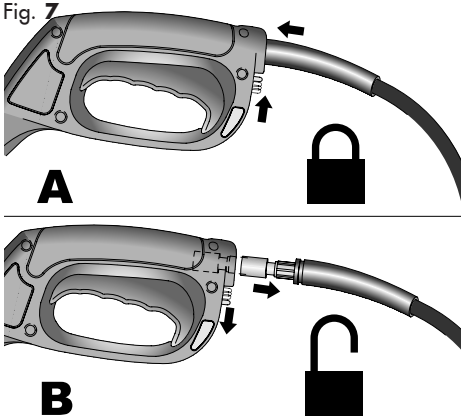

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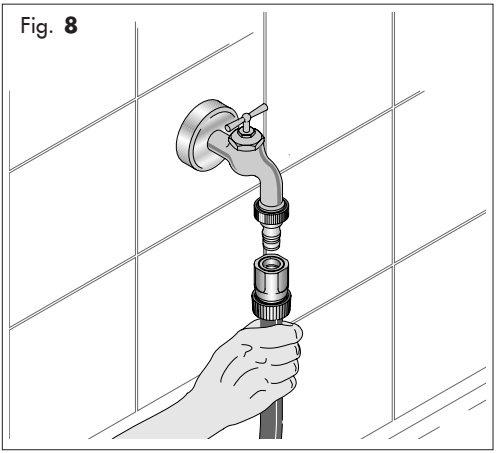

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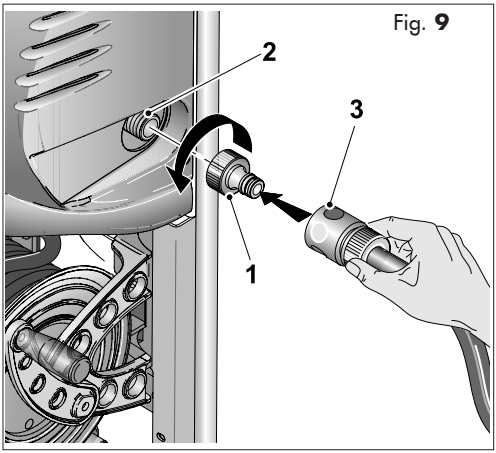

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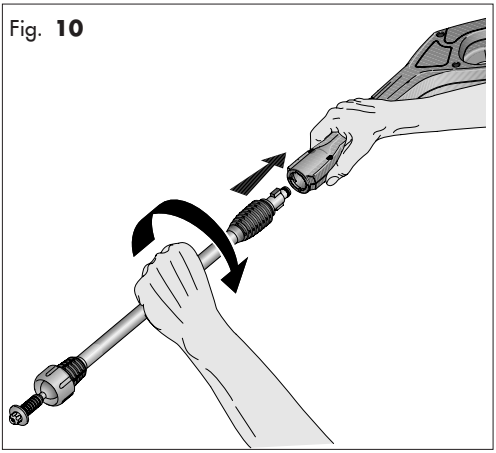

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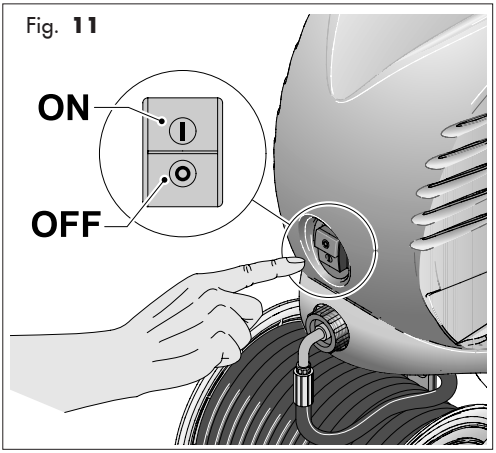


Fig. **12**

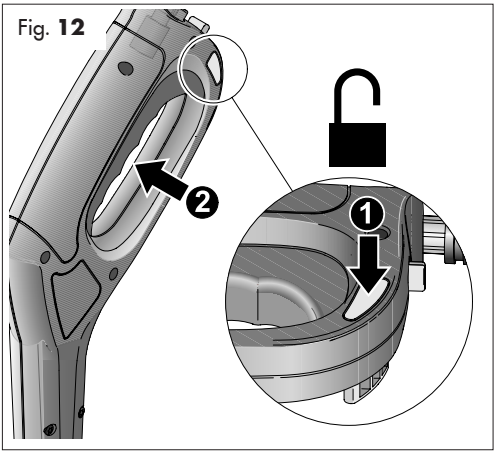


Fig. **13**

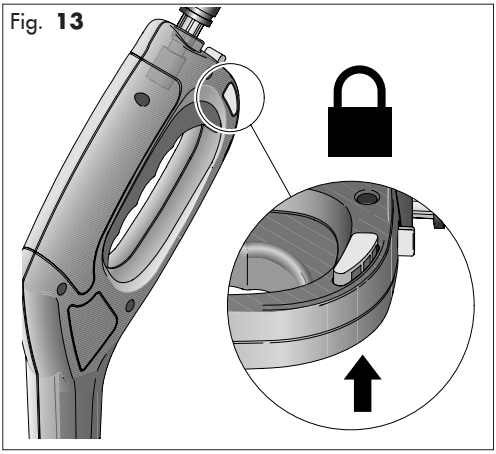


Fig. **14**

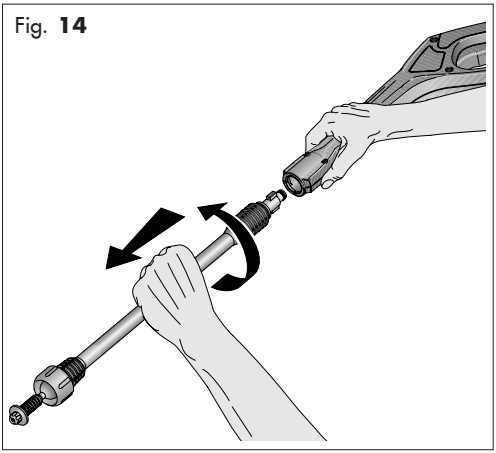
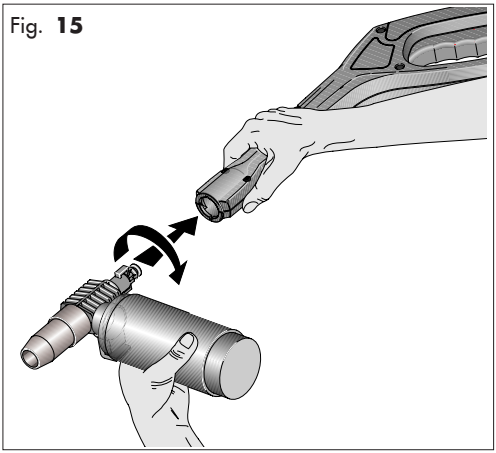


Fig. **15**



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We wish to thank you for choosing our machine. We are confident that the high quality of our machine will meet with your satisfaction and appreciation and that your pressure washer will give you long-lasting service. Before starting to use your machine, make sure to read with care this manual, which has been purposely drawn up to provide you with all the necessary information for proper use of the machine, in compliance with basic safety requirements

1 MAIN COMPONENTS (Fig. 1)

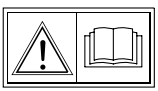
1) Power plug
2) Main switch
3) Water supply rapid attachment
4) Foam nozzle
5) Nozzle with rotating head
6) Spray gun
7) Spray gun safety device
8) Water delivery attachment
9) High pressure hose
10) Hose reel kit
11) Supporting bracket
12) Holder bracket for accessoiries
13) Wall fixing screws

2 SAFETY PRECAUTIONS

Do not use the device in the vicinity of persons, unless they are wearing the necessary protective garments.

High pressure jets may be dangerous if used incorrectly, the jet must never be directed on persons, live electrical appliances, including the appliance itself. Never use the jet to clean your own garments or footwear.

The high pressure of the water generated and connection to the electricity supply constitute particularly serious danger risks.



Carefully read the user instructions before starting the machine for the first time. Follow the safety warnings.

The appliance must be used solely by personnel trained in its use and specifically authorized to use it.

The user manual must be made available to all users.

Do not subject the machines to any modifications which may jeopardize personal safety.

Using extensions, check the minimum section of the individual cables (see paragraph entitled "Connection to the mains appliances").

Install the extensions in such a way as not to alter the protection class of the appliance.

In the event of the use of extensions, the plug and socket must be of waterproof type.

The use of unsuitable extension leads may constitute a danger risk.

Your electrician can give you the necessary information on the protection classification.

The electrical system to which the appliance is connected must be realized in compliance with the laws of the country of installation. The presence of a differential magnetothermal switch is necessary with a sensitivity of equivalent to 30 mA, above the power socket or the system.

Only put the appliance into operation providing that all components are free of defects.

Firstly check the mains attachment wire, the high pressure pipe, the spraying device and the body.

Do not tread on the high pressure pipe; do not pull, bend or twist it.

Do not shift the appliance by pulling it by the high pressure pipe.

Never operate with a defective high pressure pipe, but always replace with original spare.

The high pressure pipe must be homologated for the permitted working overpressure of the appliance.

The functional overpressure and maximum temperature admitted, as well as the date of construction are printed on the high pressure pipe covering.

Use only slightly alkaline detergents (Ph 9.1, 1% solution), that are over 90% biodegradable.

As concerns water connection, refer to the regulations of the individual countries.

The constructor will not accept liability for any damage to people, animals or things as the result of improper, incorrect or unreasonable use, or use which does not comply with the above indications.

The water cleaner must not be used by children or untrained persons.

Use only flexible hosing, accessories and fittings recommended by the manufacturer. Do not use the appliance in the event of any damage to the power cable or other parts such as piping and fitting.

IMPORTANT : *Use only original Spare Parts*

CLOTHING AND EQUIPMENT

Always wear anti-slip sole footwear.

Wear protective goggles or visor and safety wear.

It is advisable to wear work overalls in order to reduce the risk of injury in the event of accidental contact with a high pressure jet.

FIELDS OF APPLICATION

The high pressure water cleaner has been developed for washing vehicles, machines, containers, façades, stables and for removing rust without generating dust or sparks.

During cleaning, ensure that no dangerous substances of the object to be cleaned are dispersed into the environment (such as asbestos, oil for example).

Carefully follow disposal instructions.

Do not treat concrete-asbestos surfaces with high pressure jets. As it may cause the detachment of dangerous asbestos fibres as well as dirt, detrimental to the lungs.

The risk exists particularly after the drying of a surface treated with a water jet or steam.

Do not clean delicate components made of rubber, fabric or similar materials with a multi-directional jet.

When cleaning with a high pressure, flat jet, keep the nozzle at a minimum distance of 15 cm.

STARTING UP, OPERATIONAL ADVICE

The trigger of the spray gun must function smoothly and return to initial position, after release.

Check the functional conditions of the appliance before the start of each operation.

The mains cable and the plug, the high pressure pipe with spraying device and the safety devices are particularly important.

Keep children and animals clear when the appliance is operating.

Do not ever wash the appliance or other electrical appliances with a water jet. Short circuit danger !

Check that there is sufficient air circulation in the motor ventilation zone.

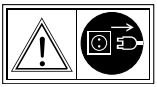
Do not cover the appliance, ensure that there is sufficient motor ventilation.

Position the high pressure cleaner as far away as possible from the object to be sprayed.

Do not damage the mains attachment cable by treading on it, squashing or pulling it, etc.Do not detach the plug from the socket by pulling the connection wire, but pull out the plug.

Make sure hands are dry before touching the plug and the connection cable.

Hold the spraying device with both hands in order to properly absorb the reaction force and the additional torque in the case of spraying device with an inclined spraying pipe. Always assume a safe and secure position.



Before undertaking any work on the appliance always detachthe plug from the power socket.

WARNING : with gun closed, on machine not fitted with TOTAL STOP system, avoid operating the water cleaner for more than 30 minutes at a time to reduce the risk of damage to the sealing system of the water cleaner itself.

3 WALL INSTALLATION

Fix the supporting bracket to the wall, by making holes having a diameter of 12 mm at a height from ground of approx. 180-190 cm (fig. **2**). Make sure that the wall and the fixing screws (included in the supply) are suitable to support the weight of the machine (Kg 40).

Release the gun from the high pressure pipe after unlocking the safety device (fig. **7-B**).

Connect the machine to the previously fixed bracket and make sure that hook (**1**) is properly placed in the eyelet on the upper part of the machine (fig **3**). Then fix the machine on the bracket by screwing the two screws included in the supply.

Make two additional holes (Ø 12 mm) near the bracket placed under the pipe winding device and fix the machine to the wall using fixing screws included in the supply (Fig. **4**).

It is advisable to point out the correspondence of the holes: remove the machine from the bracket and make the holes in such a way as to conveniently work with the drill.

After definitely fixing the machine to the wall, introduce the high pressure pipe into the loop under the pipe winding device (Fig. **5**); then fix the holder bracket for accessoiries as shown in fig. **6**.

Connect the high pressure pipe (previously released) to the gun and make sure that the safety device is locked (Fig. ***7-A***).

4 CONNECTION OF THE WATER SUPPLY PIPE

Connect a clean water supply pipe (Fig. **9** – pos.***3***) to the water mains, checking to ensure that the minimum pressure is of 1.5 bar and maximum is of 6 bar, with a minimum flow rate of 6 l per min.

- Connect the water supply pipe (min. diam ½") to the water mains (fig.**8**)
- Fit the click-on attachment (Fig. **9** - pos.***1-3***) onto the fitting (**2**);

5 ASSEMBLY OF THE DETERGENT SPRAYING DEVICE (Fig.**10**)

- Insert the sprayer pipe into the spray gun
- Rotate the pipe by 90°, and on extracting it, click it in.

6 ELECTRICAL CONNECTION OF THE APPLIANCE

The mains voltage must match the operating voltage. (See identification plate)

- Insert the plug into a power socket installed in compliance with regulations.

Check the minimum section of the individual cables using extensions.

Position the extensions so as to maintain the protection class of the equipment.

Voltage V	Cable length	Cross-section mmm2
230	up to 2	1,5
230	20 to 5	2,5

7 APPLIANCE ACTIVATION

- Press button **I** (Fig.**11**-ON) on the main switch positioned at the rear of the device
- **Position the spray gun on the object to be cleaned - never on people !**
- Press the safety device (Fig. **12** - pos. ***1***) - the gun is released
- Direct the nozzle downwards
- Fully press down the trigger (Fig. **12** - pos. ***2***)

8 SWITCHING OFF THE MACHINE

- Press the button marked with an **O** on the switch (Fig. **11- OFF**)
- Turn off water supply tap.
- Actuate spray gun until water drips from the nozzle (machine is now de-pressurized).
- Release trigger.
- Press safety latch on spray gun. (Fig.**13**- pos.***1***). The spray gun is locked and cannot be actuated accidentally.
- Unplug machine from socket outlet.
- Disconnect water supply hose from machine and water supply mains.

9 EQUIPMENT

The nozzle with rotating head can be rotated in a continuous manner, by moving the terminal part.

ADDITION OF DETERGENT

The detergents must not be allowed to dry on the object to be cleaned.

- Push the sprayer pipe towards the gun, turning it by 90° and then extract it (Fig. **14**)
- Apply the detergent spray kit to the gun (Fig. **15**).
- Fill the container of the spray kit with suitable detergent (see paragraph "General safety recommendations" in this booklet).

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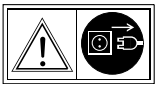
10 MAINTENANCE , REPAIRS AND STORAGE



Before undertaking any work on the appliance always detachthe plug from the power socket

Undertake only the maintenance operations described in the user instructions.
Contact the Technical Assistance service for all other interventions.
Use only original spares.
Should the power cable be damaged, it must be replaced by a cable or a set of special cables available from the manufacturer or its assistance service.
The pins and joints of the connection cables of the electrical system must be protected against accidental water sprays.

STORAGE

Store the appliance in premises protected against freezing conditions.

If freeze protection is not guaranteed, suction a glycol based anti-freeze into the pump, as for cars

- Immerse the water pipe into the container of anti-freeze
- Immerse the gun without the sprayer nozzle into the same container
- Insert the appliance with open gun
- Activate the gun until an even jet is obtained.

Store the rest of the anti-freeze in a closed container.

11 TROUBLESHOOTING

Before starting any work the machine, unplug the power cable, turn off the water supply and actuate the spray gun until the pressure has been relieved completely.

Fault	***Cause***	**Remedy**
Pressure fluctuates or drops	*Lack of water*	Turn on water supply
	Water filter clogged	Clean the water filter on the pump supply tube.
Motor hums when switched on, but does not start	*Mains voltage too low*	Check electrical connection
	Spray gun not actuted	On switching on the machine, engage the gun
	Cross-section of extension lead too small	Use correctly dimensioned extension lead, see "Connect machine to power supply"
Motor will not start when switched on	*Power supply not OK*	Check plug, cable and switch
	Mains fuse tripped	Resert mains fuse
Motor stops	*Motor protection switch tripped due to motor overheating*	Check that power supply matches appliance voltage, wait 3 minutes, then switch machine on again
The detergent fails to come out	*Clogged injector*	Clean the detergent spray nozzle element
Jet is ineffective, ragged unsteady	*Clean the nozzle of the foam launch*	Clean the high pressure nozzle with the tool provided in the cleaning kit.
	Selector sleeve for type of jet wrongly set	Adjust selector sleeve

12 Tekniske data
Technical data
Tekniska data

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TEKNISKE DATA	TECHNICAL DATA	TEKNISKA DATA	FOMA 840	FOMA 950
Maks. trykk	Working pressure	Maximal arbetstryck	__ **bar**	__ **bar**
Vannmengde	Maximum water delivery	Maximal vattentillströmning	__ **liter/time**	__ **liter/time**
Spenning	Voltage	Spänning	__ **Volt**	__ **Volt**
Frekvens	Frequency	Frekvens	__ **Hz**	__ **Hz**
Effekt	Power	Effekt	__ **kW**	__ **kW**
Beskyttelse	Protection category	Skyddsform	**IP X5**	**IP X5**
Dybde	Length	Längsd	**325 mm**	**325 mm**
Bredde	Width	Bredd	**315 mm**	**315 mm**
Høyde	Height	Höjd	**860 mm**	**860 mm**
Vekt	Weight	Vikt	**27 kg**	**30 kg**
Maks. vanntemp	Max. water supply temperature - function with water under pressure	Max. temperatur för matning - funktion med vatten under tryck	__ **C°**	__ **C°**
Lydnivå	Guaranteed sound power level	Garanterad ljudnivå på moto	__ **dB (A)**	__ **dB (A)**
Maks. rekyl	Maximum reaction of the jet	Strålens maximala reaktion	__ **N**	__ **N**
Høytrykksslange, lengde			__ **m**	__ **m**
Høytrykksslange, type			**Fiberarmert**	**Fiberarmert**
Slangetrommel			**Nei**	**Nei**
Påføring av vaskemidler			**Såpelanse**	**Såpelanse**